Sheet 1 of 6 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office					Docket No.		Serial No.	199	
(PTO Form 1449 modified)						MRKS/0039.C1		Unknown	
INFORMAT	ON DI	SCLOSURE STATE	Applicant		Confirmation No.:				
			Bernd-Georg Pietras		Unknown				
(Use severa	l sheet	s if necessary)	Filing Date		Group, 772				
	E	Examiner Frank	Herewith	<u> </u>	Unknown				
U.S. Patent	Docur	ments							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	:	
\sim	A1	6,431,626	03-13-2002	Bouligny	294	86.25			
- CA	A2	6,412,554	07-02-2002	Allen et al.	166	80.1			
,	A 3	6,360,633	03-26-2002	Pietras	81	57.34			
3	A4	6,349,764	02-26-2002	Adams et al.	166	77.53			
3	A 5	6,311,792	11-06-2001	Scott et al.	175	162			
B	A6	6,309,002	10-30-2001	Bouligny	294 .	86.25			
. \$	A7	6,199,641	03-13-2001	Downie et al.	175	55			
25	A8	6,070,500	06-06-2000	Dlask et al.	81	57.33			
Ø	A 9	6,056,060	05-02-2000	Abrahamsen et al.	166	380			
1	A10	6,000,472	12-14-1999	Albright et al.	166	380			
4	A11	5,971,079	10-26-1999	Mullins	166	387			
	A12	5,909,768	06-08-1999	Castille et al.	166	77.1			
	A13	5,836,395	11-17-1998	Budde	166	321			
Foreign Pa	tent Do	ocuments				-			
*Examiner		Document	Date	Country	Class	Subclass	Translat	ion	
Initial 2		Number					YES	NO	
7/2	B1	GB 2 357 530 A	06-27-2001	U.K.	E21B	19/07		\boxtimes	
1	B2	WO 00/39430	07-06-2000	WIPO	E21B	19/16		\boxtimes	
17	B3	WO 00/39429	07-06-2000	WIPO	E21B	19/16		\boxtimes	
OTHER AR	Ţ								
*Examiner		Including Author, Tit	le, Date, Pertine	nt Pages, Etc.					
1	·C1	LaFleur Petroleum 1992, 11 Pages	Services, Inc.	, "Autoseal Circul	ating Head,"	Engineerin	g Manufactu	ring,	
17	C2	Valves Wellhead E 1980, 5 Pages	Equipment Safe	ety Systems, W-K	(-M Division,	ACF Indus	tries, Catalog	80,	
Examiner	7	Tra)E	a	Date Consi	dered (1/2/11		
		f reference considered ormance and not cons						gh	

Sheet 2 of 6 sheet(s)

U.S. Departi	Commerce, Patent	Docket No. Serial No.						
(PTO Form	nodified)	MRKS/0039.C1		Unknown 21,9				
INFORMAT	SCLOSURE STATI	Applicant		Confirmation No.:				
			Bernd-Georg Pietras		Unknown			
(Use severa		s if necessary)	Filing Date		Group	_		
		Examiner Frank	Tsay		Herewith		Unknown	·
U.S. Patent	Docur		Т.:-		T =:		T	
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
	A14	5,803,191	09-08-1998	Mackintosh	175	170		
\wedge	A15	5,791,410	08-11-1998	Castille et al.	166	77.1		
, X	A16	5,735,348	04-07-1998	Hawkins, III	166	285		
	A17	5,645,131	07-08-1997	Trevisani	175	171		
7	A18	5,584,343	12-17-1996	Coone	166	387		
- 2	A19	5,577,566	11-26-1996	Albright et al.	175	321		
7	A20	5,553,672	09-10-1996	Smith, Jr. et al.	166	382		
\$	A21	5,503,234	04-02-1996	Clanton	175	52		
6	A22	5,501,286	03-26-1996	Berry	175	52		
	A23	5,433,279	07-18-1995	Tassari et al.	173	213		
P	A24	5,388,651	02-14-1995	Berry	175	85		
1	A25	5,351,767	10-04-1994	Stogner et al.	175	162		
	A26	5,297,833	03-29-1994	Willis et al.	294	102.2		
	A27	5,255,751	10-26-1993	Stogner	175	203		
	A28	5,251,709	10-12-1993	Richardson	175	220		
1.*	A29	5,191,939	03-09-1993	Stokley	166	379	·	
Foreign Pa	tent D	ocuments	<u> </u>					
*Examiner	1	Document	Date	Country	Class	Subclass	Translat	ion
Initial 2		Number					YES	NO
971	B4	WO 00/11311	03-02-2000	WIPO	E21B	19/16		
772	B5	WO 00/11310	03-02-2000	WIPO	E21B	19/16		
71	B6	WO 00/11309	03-02-2000	WIPO	E21B	19/16		
OTHER AF	?T							
*Examiner Initial		Including Author, T	itle, Date, Pertine	ent Pages, Etc.				
7	СЗ	"Canrig Top Drive 2 Pages	e Drilling Syster	ns," Harts Petrole	eum Enginee	er Internatio	nal, February	1997,
171.	C4	"The Original Por	table Top Drive	Drilling System,"	TESCO Dr	illing Techno	ology, 1997	
11	C5	Killalea, Mike, "Po September 1994,		ves: What's Drivi	ng The Marl	ket?" IADC,	Drilling Contr	actor,
Examiner	<u> </u>	Fall	Sa		Date Cons	sidered 1	/12/0	V

Sheet 3 of 6 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office						Docket No.		Serial No. 1, 9	
(PTO Form 1449 modified)						MRKS/0039.C1			
NFORMAT	ION DI	SCLOSURE STAT	EMENT BY AP	PLICANT	Applicant		Confirmation	No.:	
					Bernd-Georg Pietras		Unknown		
Use severa	l sheets	s if necessary)	Filing Date		Group / 72				
	E	Examiner Frank	Herewith		Unknown				
U.S. Patent	Docur	nents	_						
Examiner nitial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate		
//	A30	5,036,927	08-06-1991	Willis	175	162			
-/	A31	5,009,265	04-23-1991	Bailey et al.	166	118			
1	A32	4,997,042	03-05-1991	Jordan et al.	166	379			
	A33	4,878,546	11-07-1989	Shaw et al.	173	163			
	A34	4,867,236	09-19-1989	Haney et al.	166	77.5			
	A35	4,836,064	06-06-1989	Slator	81	57.18			
	A36	4,813,493	03-21-1989	Shaw et al.	173	164			
	A37	4,800,968	01-31-1989	Shaw et al.	175	85			
	A38	4,793,422	12-27-1988	Krasnov	175	57		·	
	A39	4,791,997	12-20-1988	Krasnov	175	57			
	A40	4,773,689	09-27-1988	Wolters	294	88			
	A41	4,765,401	08-23-1988	Boyadjieff	166	77.53			
5	A42	4,762,187	08-09-1988	Напеу	175	171			
11	A43	4,759,239	07-26-1988	Hamilton et al.	81	57.34			
Foreign Pa	tent Do	ocuments	···! ··· · · · · · · · · · · · · · · ·	· ·					
*Examiner		Document	Date	Country	Class	Subclass	Translation		
Initial 7		Number					YES	NO	
110	B7	WO 00/05483	03-02-2000	WIPO	E21B	19/16		\boxtimes	
1	B8	WO 98/11322	03-19-1998	WIPO	E21B	19/16		\boxtimes	
7/5	B9	WO 98/32948	07-30-1998	WIPO	E21B	19/16		\boxtimes	
177	B10	WO 98/05844	02-12-1998	WIPO	E21B	19/16		\boxtimes	
OTHER AR	T.	-					•		
Examiner Initial		Including Author, T	itle, Date, Pertine	ent Pages, Etc.					
1	C6	"500 or 650 ECIS Drilling Technolog	•	•	nt Magnet M	otor Techno	ology, TESC	0	
1	C7	"500 or 650 HCIS TESCO Drilling T			Compact To	p Drive Dril	ling System,		
7	C8	"Product Informat	tion (Sections 1	-10), " CANRIG D	Orilling Tech	nology, Ltd.	September 1	18,	
Examiner			70		Date Cons		1-1:		

Sheet 4 of 6 sheet(s)

U.S. Depar	tment of	Commerce, Pater	Docket No.		Serial No.			
(PTO Form		<u> </u>	MRKS/003	9.C1	Unknown	1,71		
INFORMA	TION DI	SCLOSURE STAT	EMENT BY AP	PLICANT	Applicant		Confirmation	n No.:
					Bernd-Georg Pietras		Unknown	٠.
(Use sever	al sheet	s if necessary)		Filing Date	;	Group >6	72	
	E	Examiner Frank	Tsay		Herewith		-Unknown	
U.S. Paten	t Docun	nents		•		•	·	
*Examiner Initial		Document Number	Issue Date	Applicant(s) · Name	Class	Subclass	Filing Date It Appropriate	
1	A44	4,742,876	05-10-1988	Barthelemy et al.	175	7		
	A45	4,709,599	12-01-1987	Buck	81	57.18		
	A46	4,683,962	08-04-1987	True	173	163		. :
	A47	4,676,312	06-30-1987	Mosing et al.	166	77		
`	A48	4,649,777	03-17-1987	Buck	81	57.19		
	A49	4,625,796	12-02-1986	Boyadjieff	166	77.5	<u>.</u>	
	A50	4,605,077	08-12-1986	Boyadjieff	175	85		
	A51	4,604,724	08-05-1986	Shaginian et al.	364	478		
	A52	4,593,773	06-10-1986	Skeie	175	85		
	A53	4,570,706	02-18-1986	Pugnet	166	77.5		
	A54	4,529,045	07-16-1985	Boyadjieff et al.	173	164		
	A55	4,494,424	01-22-1985	Bates	81	57.18		
· · · · · · · · · · · · · · · · · · ·	A56	4,449,596	05-22-1984	Boyadjieff	175	85		
$\overline{}$	A57	4,437,363	03-20-1984	Haynes .	81	57.18		***************************************
11	A58	4,320,915	03-23-1982	Abbott et al.	294	96	<u> </u>	
Foreign P	atent Do	ocuments						
*Examiner	T	Document	Date	Country	Class	Subclass	Translation	
Initial	, _	Number					YES	NO
277	B11	WO 96/18799	06-20-1996	WIPO	E21B	19/06		\boxtimes
7/2	B12	EP 0 659 975	06-28-1995	EP	E21B	43/08		\boxtimes
1	B13	0 589 823 A1	03-03-1994	EP	E21B	19/06		
OTHER A	RT							
*Examiner Initial		Including Author, T	itle, Date, Pertine	int Pages, Etc.				,
	C9	<u> </u>						
	C10							
·	C11					···		
Examiner	Fac				Date Cons	sidered	Time	

Sheet 5 of 6 sheet(s)

Sheets Expocum A59 A60 A61 A62 A63	odified) SCLOSURE STATI if necessary) xaminer Frank nents Document Number 4,100,968 3,913,687 3,857,450 3,848,684 3,776,991		Applicant(s) Name Delano Gyongyosi et al	MRKS/003 Applicant Bernd-Geo Filing Date Herewith Class 166 175	org Pietras	Unknown Group Linknown Filing Date If Appropriate	7 ~
A59 A60 A61 A62 A63	if necessary) ixaminer Frank nents Document Number 4,100,968 3,913,687 3,857,450 3,848,684	Tsay Issue Date 07-18-1978 10-21-1975 12-31-1974	Applicant(s) Name Delano Gyongyosi et al	Bernd-Geo Filing Date Herewith Class 166	Subclass 315	Unknown Group Unknown Filing Date If	7 ~
A59 A60 A61 A62 A63	Document Number 4,100,968 3,913,687 3,857,450 3,848,684	Issue Date 07-18-1978 10-21-1975 12-31-1974	Applicant(s) Name Delano Gyongyosi et al	Filing Date Herewith Class 166	Subclass 315	Group Unknown	7 2
A59 A60 A61 A62 A63	Document Number 4,100,968 3,913,687 3,857,450 3,848,684	Issue Date 07-18-1978 10-21-1975 12-31-1974	Applicant(s) Name Delano Gyongyosi et al	Class 166	Subclass 315	Linknown Filing Date If	7 2
A59 A60 A61 A62 A63	Document Number 4,100,968 3,913,687 3,857,450 3,848,684	Issue Date 07-18-1978 10-21-1975 12-31-1974	Applicant(s) Name Delano Gyongyosi et al	Class	315	Linknown Filing Date If	· · · · · · · · · · · · · · · · · · ·
A59 A60 A61 A62 A63	Document Number 4,100,968 3,913,687 3,857,450 3,848,684	Date 07-18-1978 10-21-1975 12-31-1974	Name Delano Gyongyosi et al	166	315		f
A59 A60 A61 A62 A63	Number 4,100,968 3,913,687 3,857,450 3,848,684	Date 07-18-1978 10-21-1975 12-31-1974	Name Delano Gyongyosi et al	166	315		f
A60 A61 A62 A63	3,913,687 3,857,450 3,848,684	10-21-1975 12-31-1974	Gyongyosi et al		-: 		
A61 A62 A63	3,857,450 3,848,684	12-31-1974		175	85		
A62 A63	3,848,684		0	-			
A63		11-19-1974	Guier	175	85		
	3,776,991	1	West	175	195		
164		12-04-1973	Marcus	264	89		•
	3,776,320	12-04-1973	Brown	173	163		
A65	3,747,675	07-24-1973	Brown	166	237′		
A66	3,691,825	09-19-1972	Dyer	73	136		-
A67	3,635,105	01-18-1972	Dickmann et a.	81	57.18		
	3,570,598	03-16-1971	Johnson	166	178		
A69	3,566,505	03-02-1971	Martin	29	200		
A70	3,380,528	04-30-1968	Timmons	166	14		
A71	3,193,116	07-06-1965	Kenneday et al.	214	2.5		
nt Do	cuments				 		
	Document	Date .	Country	Class	Subclass	Translat	ion
	Number					YES	NO
B14	WO 93/07358	04-15-1993	WIPO	E21B	37/00		\boxtimes
B15	GB 2 275 486A	04-15-1993	U.K.	E21B	37/00		
B16	0 525 247 A1	02-03-1993	EP .	E21B	3/02		\boxtimes
			,				
	Including Author, Ti	itle, Date, Pertine	nt Pages, Etc.	,			·
C12							
C13							
C14				,			
Z		5		Date Cons	sidered 5	7/2/0	<u> </u>
	.65 .66 .67 .68 .69 .70 .71	1.65 3,747,675 1.66 3,691,825 1.67 3,635,105 1.68 3,570,598 1.69 3,566,505 1.70 3,380,528 1.71 3,193,116 1.71 Documents 1.72 Document Number 1.73 B14 WO 93/07358 1.75 GB 2 275 486A 1.76 B16 0 525 247 A1 1.76 C12 C13 C14 1.77 C14	.65 3,747,675 07-24-1973 .66 3,691,825 09-19-1972 .67 3,635,105 01-18-1972 .68 3,570,598 03-16-1971 .69 3,566,505 03-02-1971 .70 3,380,528 04-30-1968 .71 3,193,116 07-06-1965 nt Document Number Date B14 WO 93/07358 04-15-1993 B15 GB 2 275 486A 04-15-1993 B16 0 525 247 A1 02-03-1993 Including Author, Title, Date, Pertine C12 C13 C14 Sample of the pertine C14 Sample of the pertine Initial if reference considered, whether or not	.65 3,747,675 07-24-1973 Brown .66 3,691,825 09-19-1972 Dyer .67 3,635,105 01-18-1972 Dickmann et a. .68 3,570,598 03-16-1971 Johnson .69 3,566,505 03-02-1971 Martin .70 3,380,528 04-30-1968 Timmons .71 3,193,116 07-06-1965 Kenneday et al. nt Document Number Date Country B14 WO 93/07358 04-15-1993 WIPO B15 GB 2 275 486A 04-15-1993 U.K. B16 0 525 247 A1 02-03-1993 EP Including Author, Title, Date, Pertinent Pages, Etc. C12 C13 C14 C14	166 3,747,675 07-24-1973 Brown 166 166 3,691,825 09-19-1972 Dyer 73 167 3,635,105 01-18-1972 Dickmann et a. 81 168 3,570,598 03-16-1971 Johnson 166 169 3,566,505 03-02-1971 Martin 29 170 3,380,528 04-30-1968 Timmons 166 171 3,193,116 07-06-1965 Kenneday et al. 214 18	65 3,747,675 07-24-1973 Brown 166 237' 66 3,691,825 09-19-1972 Dyer 73 136 67 3,635,105 01-18-1972 Dickmann et a. 81 57.18 68 3,570,598 03-16-1971 Johnson 166 178 69 3,566,505 03-02-1971 Martin 29 200 470 3,380,528 04-30-1968 Tirmmons 166 14 471 3,193,116 07-06-1965 Kenneday et al. 214 2.5 at Document Number Date Country Class Subclass B14 WO 93/07358 04-15-1993 WIPO E21B 37/00 B15 GB 2 275 486A 04-15-1993 U.K. E21B 37/00 B16 0 525 247 A1 02-03-1993 EP E21B 3/02 Including Author, Title, Date, Pertinent Pages, Etc. Date Considered 1-	Brown 166 237

Sheet 6 of 6 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office					Docket No.		Serial No.	
(PTO Form 1449 modified)						39.C1	Serial No. 197	
INFORMAT BY APPLIC		SCLOSURE STATE	Applicant		Confirmation No.:			
BIAFFEIO							Unknown	
(Use several sheets if necessary))	Group 1 ~	
	Examiner Frank	Herewith		Group 672				
U.S. Patent	Docu	ments						
*Examiner Initial	· ·	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date I Appropriate	f
77	A72	3,041,901	07-03-1962	Knights	81	53		
)	A73	1,917,135	07-04-1933	Littell				
77	A74	2002/0134555A1	09-26-2002	Allen et al.	166	377	-	
1	A75	2001/0042625A1	11-22-2001	Appleton	166	379		
	A76							
	A77	ì						
	A78							
	A79							
	A80		·					
	A81		-				·	
	A82				-			
Foreign Pa	tent Do	cuments						
*Examiner Initial		Document Number	Date	Country	Class Subc	Subclass	Transla	
7	D47	GB 2 224 481A	00.05.4000	1117	· D000	4/50	YES	NO
- (/	B17		09-05-1990	U.K.	B66C	1/56		
	B18	0 285 386 A2	10-05-1988	EP	E21B	19/16		
	B19		02-12-1986	EP	E21B	19/06		
	B20	EP 01 62000A1	11-21-1985	EP	E21B	19/16		
OTHER AD	B21		<u> </u>	J		<u> </u>		
OTHER AR *Examiner Initial	1	Including Author, Titl	le, Date, Pertine	nt Pages, Etc.		,		
,	C15			· · · · · · · · · · · · · · · · · · ·				
	C16		.,					
	C17							
Examiner	+		Pe .		Date Cons	idered 1	7120	/
*EXAMINER:	Initial if	reference considered	l, whether or not	citation is in confo	1			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.